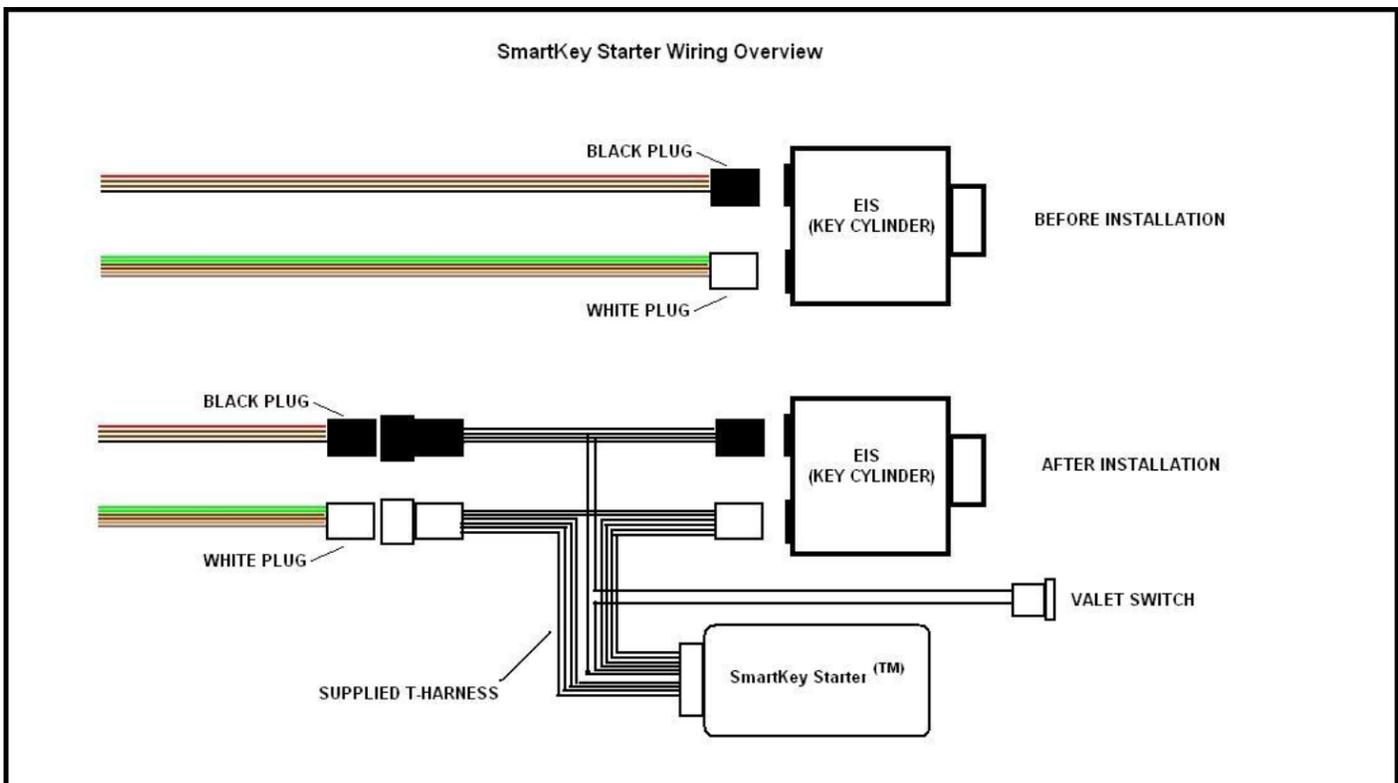


## SmartKey Starter™ Installation Instructions 2006-09 Mercedes Benz ML, GL, & R Class

### Tools and parts you will need

- T-20 driver
- Drill
- 3/4" drill bit or unibit
- panel removal tool (R Class only)

The SmartKey Starter™ is designed as a direct plug in interface to the rear of the Mercedes Benz key cylinder. Please read this manual in it's entirety prior to installation as there is a specific order of operation that needs to be followed.



Installation diagram

## Installation

1. Remove the HVAC panel by pulling outward to release the lower clips. (pic 1)
2. Pull down on the panel to release the upper clips. (pic 2)
3. Remove the panel and place it to the left being careful not to scratch the console or the wood grain front. For an R class, (pic 3) insert a panel tool on the left and right upper edges of the HVAC panel and release the clips, then remove the panel by pulling out the top first then pulling up on the entire panel to release the lower clips.
4. Locate and remove (2) T-20 screws from the aluminum bars showing just below the radio. (pic 4)
5. Slide the bars downward until they stop. These are the radio retaining bars. (pic 5)
6. Slide the COMAND unit out from the dash to access the wiring behind. (pic 6)
7. Disconnect all wiring from the rear of the COMAND unit and place it in a safe place where it will not be damaged while you're working on the vehicle.
8. Leave the vehicle sit for 2 minutes with the doors open to allow the CAN network to shut completely down before going any further.
9. Reach through the radio cavity and locate the rear of the EIS module. The EIS is the key switch.
10. Release (2) connectors from the EIS and pull the harness out through the radio opening for easy access. **It is important that you disconnect the lower (black) plug first.** (pic 7)
11. Make sure the valet switch for the Smartkey Starter™ is off or disconnected. (pic 8)
12. Plug the (2) male ends from the Smartkey Starter™ harness that match the plugs you just removed into the rear of the EIS module. (pic 9)
13. Plug the connectors into the Smartkey Starter™ module. Connect harness marked "B" with module labeled "B". Repeat for "C" labeled harness and module.
14. Plug the (2) female connectors from the Smartkey Starter™ module into the factory wiring you accessed in step 9. **It is important that you plug the white connector in first.** (pic 10)
15. Once ALL connections are secured, turn on the valet switch and verify the LEDs visible inside the Smartkey Starter™ are flashing.
16. Start the vehicle with the key or with the push button to verify your work. If the vehicle starts and runs, you've made all the connections correctly.
17. Shut the vehicle off.
18. Push the panic button once on the remote to test the Smartkey Starter™.
19. Once you are satisfied with its operation, shut down the Smartkey Starter™ by pushing the panic button once.
20. Unlock the vehicle with the remote after shutdown
21. Locate a place to secure the Smartkey Starter™ module in the dash cavity.
22. Secure the module in its final location.
23. Locate a place for the valet override switch. Recommended locations are the left wall of the glove compartment or the driver's underdash panel.
24. Drill a **3/4"** hole in the desired location.
25. Route the wires for the valet switch through hole for the Smartkey Starter™.
26. Plug in the valet switch to the Smartkey Starter™ 2 pin harness. Make sure the spade connectors are fully installed on the switch.
27. Reinstall the COMAND by first plugging in all harnesses and antenna connections that you removed in step 7.

28. Slide the COMAND back into its opening.
29. Push up on the radio retaining bars to secure the radio.
30. Reinstall the (2) T-20 screws to secure the radio retention bars.
31. Confirm the proper operation of the COMAND unit.
32. Reinstall the HVAC panel by inserting the top edge of the panel just below the face of the COMAND unit.
33. Push the bottom edge of the HVAC panel toward the dash.
34. Pull downward to confirm its proper location. If done properly, the upper edge will catch on its retainer and will not allow it to move downward.
35. Align the opening in the HVAC panel with the slide out drawer at the bottom and provide gentle pressure to snap the bottom edge into place.



1) Pull out on bottom of HVAC panel



2) Pull down on HVAC panel



3) R class panel removal



4) Remove T-20 screws



5) Pull down on retaining bars



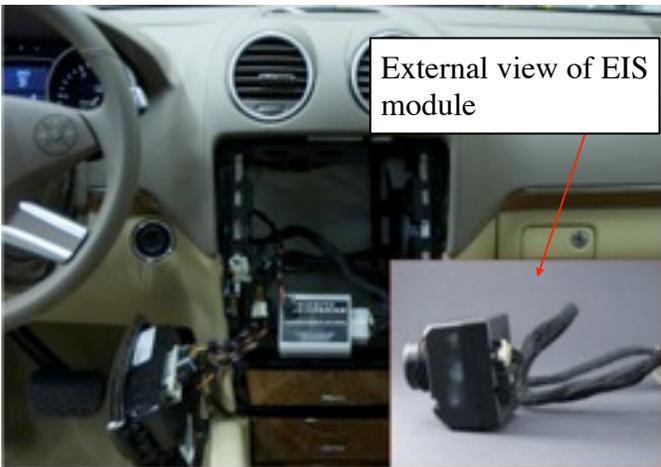
6) Remove and disconnect COMAND unit



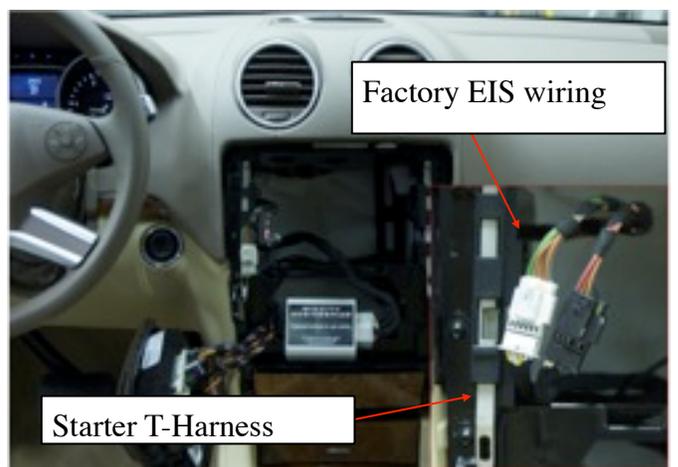
7) Access EIS wiring through opening



8) Make sure the valet switch is off



9) Plug the harness into the rear of the EIS



10) Connect the factory wires to the T-Harness